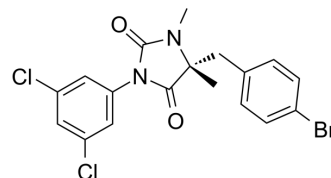


BIRT 377

Cat. No.:	HY-110117		
CAS No.:	213211-10-0		
Molecular Formula:	C ₁₈ H ₁₅ BrCl ₂ N ₂ O ₂		
Molecular Weight:	442.13		
Target:	Integrin; Interleukin Related		
Pathway:	Cytoskeleton; Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (226.18 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.2618 mL	11.3089 mL	22.6178 mL
5 mM	0.4524 mL	2.2618 mL	4.5236 mL
10 mM	0.2262 mL	1.1309 mL	2.2618 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

BIRT 377 is a potent and orally bioavailable inhibitor of the interaction between intercellular adhesion molecule-1 (ICAM-1) and lymphocyte function-associated antigen-1 (LFA-1), with a K_i of 25.8 nM. BIRT 377 also inhibits the production of IL-2 in vivo. BIRT 377 can be used for researching inflammatory and immune disorders^[1].

IC₅₀ & Target

K_i: 25.8 nM (LFA-1)^[1]

REFERENCES

[1]. Kelly TA, et al. Cutting edge: a small molecule antagonist of LFA-1-mediated cell adhesion. J Immunol. 1999;163(10):5173-5177.

Caution: Product has not been fully validated for medical applications. For research use only.

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